

**ESTABLISHMENT OF A RESIDENTIAL DEVELOPMENT AND ASSOCIATED INFRASTRUCTURE
ON PORTION 2 OF FARM GOEDE VERWACHTING NO. 870, REMAINDER OF FARM NO. 869,
FARM NO. 1262, REMAINDER OF FARM NO. 866, REMAINDER OF FARM NO. 1054, AND
PORTIONS 2 AND 3 OF FARM NO. 1054, SIR LOWRY'S PASS VILLAGE.**

DEA&DP Reference: 16/3/3/1/A3/53/2005/22

FORMAL ECO AUDIT REPORT

Prepared for:

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ABBREVIATIONS

DEA&DP	Department of Environmental Affairs and Development Planning
DWS.....	Department of Water Affairs and Sanitation
EA	Environmental Authorisation
EAP	Environmental Assessment Practitioner
ECO	Environmental Control Officer
EIA	Environmental Impact Assessment
EMP	Environmental Management Programme
DEO	Designated Environmental Officer
GNEC	Guillaume Nel Environmental Consultants
I&AP	Interested and Affected Parties
ER	Engineer's Representative

INTRODUCTION

This **Formal ECO Audit Report** is distributed to the project team after the site audit was undertaken. The contractor has 3 working days to provide a rectification report with photographic evidence of how the findings in this report were rectified, if rectification is required. This report together with the rectification report is then submitted to DEA&DP.

The ECO Report is compiled in order to ensure continuous improvement with regards to environmental related matters. The aim is furthermore, to increase the contractor's compliance rating in terms of the approved Environmental Authorisation (EA) and Environmental Management Programme (EMPr), and to advise on environmental matters which might occur during construction activities. This ECO report incorporates the monthly environmental findings and furthermore may include corrective measures/actions which were taken by the contractor.

CLOSE OUT ON FINDINGS REQUIRED

	Finding	Close Out Recommendation
1	Site documentation Please create an Environmental file on site with the following documentation: • EA • EMPr • MMP • Complaints register • Environmental Induction Register • Stormwater Management Plan • Rehabilitation and Landscaping Plans • Method Statement (below) • Incident Reports	Please supply an Environmental File on site
2	Site documentation The holder to supply proof to the ECO of the EMPr, RMMP, Watercourse and Wetland Rehabilitation Plan and Rehabilitation Plan was included in the contract documentation.	
3	Cement remains Cement remains were noted on site	No batching must be done directly on the ground. The cement remains should please be removed
4	Demarcation The Dam should please be demarcated until rehabilitation can commence within that area	The Dam should please be demarcated until rehabilitation can commence within that area

GENERAL FINDINGS DURING THE SITE VISIT ON THE 23RD OF SEPTEMBER 2024

Site documentation

The following documentation must please be placed on file in the site camp:

- EA
- EMPr
- MMP
- Complaints register
- Environmental Induction Register
- Stormwater Management Plan
- Rehabilitation and Landscaping Plans
- Method Statement (below)
- Incident Reports

Method Statements required:

- Emergency spills procedures for the contamination of soils from spills and fire.
- Handling & storage of oils and chemicals.
- Cement and concrete batching, which includes the storage, washing & disposal of cement, packaging, tools and plant.
- Diesel tanks and refuelling procedures.
- Crew camps and construction lay down areas.
- Workshop maintenance and cleaning of plant.
- Dust
- Fires
- Soil: Topsoil Storage and Stockpiling
- Solid waste management

Heritage

Heritage Western Cape (HWC) stipulated the following Conditions of Approval as part of the Record of Decision issued on 9 December 2021:

- Within 6 months of approval of the proposed development, the owner of the proposed “Remainder Goedeoverwaching Homestead Erf” is required to submit to HWC for approval, a Conservation Management Plan (CMP) for the homestead and its context. Such CMP must be prepared by a suitably qualified heritage practitioner and should include, inter alia, the

requirement that trenching activity within 50 metres of the homestead area must be checked by an archaeologist.

- Prior to any work in the vernacular cottage precinct, the proposed alterations (including a maintenance plan) for all structures to be retained in the precinct must be submitted to HWC for approval and must be accompanied by more detailed proposals for the precinct, including an appropriate maintenance and refurbishment plan, and plans for landscaping, boundary treatment, lighting and signage.

Compliance:

The contractor has only started with the first phase of the project to date, and the cottage is not part of this phase. **Proof should please still be submitted of the Conservation Plan.**

Site demarcation

The watercourse area should be demarcated before construction activities commence. Activities within the watercourse area should only be allowed during construction taking place in the watercourse and / or rehabilitation of the watercourse. The development footprint in this area should be kept to a minimum. It is recommended that the variable conservation buffer be utilised as a conservation buffer from the delineated edge of the watercourses. This area should be demarcated a no-go area and no unauthorised activities are allowed within the delineated extent of the watercourses. If a more permanent fencing is desired, a pole and electric wire fence is considered suitable as this will still allow movement of faunal species

Compliance:

The watercourse area has been fenced with Clearview fencing, the dam should please be demarcated or temporarily fenced



The southwestern corner of the site has been demarcated, but some material was noted inside the area, the contractor should please remove the material by hand and ensure nothing enters the no go area.



The contractor was advised that the following red area on the overlay map should please be demarcated.



Flora

Prior to commencement of any development activities, the area where the *Monsonia speciosa* plant species have been identified should be demarcated as a no-go area. Please note the relevant area is indicated in the layout of the proposed development. Appropriate fencing and signage should be placed around the no-go area restricting access to the area.

The implementation of the rehabilitation plan compiled by GNEC is imperative.

Compliance:

The southwestern corner of the site has been demarcated.

The contractor is also advised that there are two protected trees on the site as listed on the below map, the trees should please be retained or a permit should be obtained should it be removed.

The trees are located on the below map at the *Podocarpus latifolius* and *Podocarpus falcatus* pins.



Toilets

Please ensure that the construction site is equipped with a sufficient number of chemical toilets for the number of workers on site. At least 1 chemical toilet per 15 workers is required no more than 100m away from the construction activities. All chemical toilets have to be properly secured to prevent the toilet from falling over in windy conditions.

Compliance:

Toilets were noted on site, within close proximity to where the works took place. The contractor is advised to please secure the toilets to the ground.



Fuel storage

If fuel is to be stored on site in the form of a bowser, the bowser must be maintained by the fuel supplier and/or Contractor and is to be kept clean and leak free. The bowser is to be kept on site with a drip tray at all times and please ensure that drip trays are used during refuelling of machinery and generators. Please ensure that drip trays are used for refuelling of machinery and generators.

A spill kit must be made available on site.

Compliance:

No generators or bowzers were seen on site.

A spill kit should please be placed on site.

Topsoil

Topsoil must be deemed to be the top layer of soil containing organic material, nutrients and plant/grass seed. For this reason, it is an extremely valuable resource for the rehabilitation of vegetation of disturbed areas.

Topsoil stockpiles must be clearly demarcated as no-go areas.

Please ensure that topsoil is not contaminated with construction material. If topsoil is to be stockpiled the stockpiles may not be higher than 2m, to prevent the compaction of seeds contained within the stockpile.

Compliance:

The topsoil on site should please be seen as a no go area, and no stockpiling may be done within the delineated watercourses or the applicable buffer area.



Stockpiles

According to the approved EMP, where possible, soil stockpiles shall be located in sheltered areas where they are not exposed to the erosive effects of the wind. Where erosion of stockpiles becomes a problem, erosion control measures shall be implemented at the discretion of the ECO.

Compliance:

Stockpiles were present during the audit. No erosion to the stockpiles were noted.

Dust/sand/mud

Dust management and dust suppression during the construction phase is required to minimize the impacts of dust, sand and mud.

Compliance:

The contractor was advised to please ensure that Old Sir Lowrys Pass Road is kept sand and mud free to prevent the sand/mud on the road being a danger to traffic.

The road was clean during the audit.

Cement

Small- and large-scale cement batching must be done on mortarboards, on plastic sheeting that serves as an impermeable surface to prevent cement water from infiltrating the soil. Please ensure that mortarboards and plastic sheeting is properly positioned to prevent surface runoff.

No washing of cement trucks will be allowed on site without the proper bunded area. Please ensure that all spills are picked up and stockpiled on the rubble stockpile. Please be advised that concrete rubble is seen as general waste and must be disposed at a registered general waste facility. Please ensure that all disposal receipts are kept.

Compliance:

Batching was not active during the audit, but cement remains were noted on site, the contractor was advised to please remove the remains, and that no batching may be done directly on the ground.



Litter

All construction litter, except empty cement bags, must be placed within a litter structure or bin. The litter structures and/or bins must be properly enclosed to prevent any litter from blowing around on site. Empty cement bags must be placed in black bags or a weatherproof bin to prevent cement leaching from the empty bags during rain. Please ensure that a sufficient number of bins or litterbags is placed where the workforce is working. Please conduct regular chicken parades to remove litter from site.

Please ensure that litter is removed from site every two weeks or more often should the need arise.

Compliance:

The contractor placed a bin on site.



A litter structure has been constructed on site, thank you for that.

Please forward all litter disposal receipts to the ECO for record keeping.

Paint

All water-based paintbrushes must be washed in a ¾ full sealable 220L drum. The drum must be closed when not in use and must be placed on a large mortarboard or an impermeable surface. The drum should be sealed prior to being removed from site.

Compliance:

Painting was not active during the audit.

Rubble

Please ensure that the construction rubble is stockpiled in a secure location to minimize the spread thereof. Please ensure that the construction rubble do not mix with the subsoil as the construction rubble must be removed from site. Any bitumen products/milled asphalt are hazardous waste and must be disposed at a registered hazardous waste facility. Concrete rubble must be disposed at a general waste facility.

Please ensure that rubble is removed on a regular basis and that the disposal receipts kept. Rubble and litter must be removed every two weeks or more often as the need arise.

Compliance:

Rubble was securely stockpiled on site, the contractor should please dispose of the rubble if not reused.

Please forward all rubble disposal receipts to the ECO for record keeping.

PROGRESS

The contractor was busy with the stormwater and sewer installations on site, laying the pipes and started with the manholes.



MAJOR AREAS OF CONCERN

No major concerns were found during the audit other than the general findings above.

Compiled by:



Nica Kotze

for GNEC